

Claims

- 1) An apparatus comprising:

a surface including a set of contact points, the surface to provide a medium to transmit data between a first device in contact with one or more contact points of the surface, and a second device in contact with one or more contact points of the surface.
- 2) The apparatus of claim 1, wherein the surface is to provide a medium to non-aerial wirelessly transmit data between the first and second device.
- 3) The apparatus of claim 2, wherein at least one of the first and second devices are exclusive of aerial wireless data transmission capabilities.
- 4) The apparatus of claim 1, wherein the surface is to provide a medium to transmit data between the device and a third device separated from the surface.
- 5) The apparatus of claim 1, wherein the surface is to provide a medium to transmit data between the third device separated from the surface and a fourth device separated from the surface.
- 6) The apparatus of claim 3, wherein the surface is to provide a power supply to at least one of the first and second devices via the contact points.
- 7) The apparatus of claim 1, wherein the one of first, second, and third devices is one of a notebook computer, a cell phone, and a personal digital assistant (PDA).
- 8) The apparatus of claim 3, wherein the first device includes a microcontroller, a safety switch mechanism, a power feed coupled to the safety switch mechanism, and contact points.

- 9) The apparatus of claim 9 wherein the safety switch mechanism includes a matrix of transistors.
- 10) The apparatus of claim 8, wherein the surface includes a switch matrix, a set of switch contacts, from which at a first pair connects to the first device, and a second pair connects to the second device, a microcontroller to request a power supply deliver an identified voltage and current via switch matrix to at least one of the first and second set of contacts.
- 11) The apparatus of claim 2, wherein the first device is to transmit, via the surface, a key to the second device to have the first and second device transmit additional data between the first and second devices via a separate wireless protocol.
- 12) The apparatus of claim 1, wherein the separate wireless protocol is one of a group wireless communication protocol standards comprising of 802.11d protocol, 802.11a protocol, 802.11j protocol, or Bluetooth.
- 13) The apparatus of claim 3, wherein at least one of the first, second and third devices includes an Ethernet controller, a media access control controller, and a low-pass/high-pass switch filter.
- 14) The apparatus of claim 1, wherein at least one of the first, second and third devices is a display device, and the surface is to provide a medium to transmit data to the display to be displayed.

- 15) The apparatus of claim 1, wherein at least one of the first, second and third devices is a display device, and the surface is to provide a medium to transmit video to the display to be displayed.
- 16) The apparatus of claim 15, wherein the surface includes a video capture to receive an analog input and convert the analog signal to digital to be displayed.
- 17) The apparatus of claim 16, wherein the surface further includes a Base System-On-Chip to interface between the video capture, a video buffer, and a controller of the surface.
- 18) The apparatus of claim 17, wherein the controller of the surface is an 802.11 communication protocol controller.
- 19) The apparatus of claim 18, wherein the controller of the surface includes a radio frequency transceiver.
- 20) The apparatus of claim 1, wherein the surface provides an Internet connection to at least one of the first, second and third devices.